

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (withdrawn): An array of biological reagents immobilized on a solid support, said array having separate known sites, said reagents at each said site interacting directly or indirectly with one or more ligands, and said reagents being covalently cross-linked to said ligands.

Claim 2 (withdrawn): The array of claim 1, wherein said array has between 100 and 100,000 sites

Claim 3 (withdrawn): The array of claim 1, wherein said ligands are antibodies.

Claim 4 (withdrawn): The array of claim 1, wherein said ligands are recombinant proteins.

Claim 5 (withdrawn): The array of claim 1, wherein said ligands are purified proteins.

Claim 6 (withdrawn): The array of claim 1, wherein said ligands are nucleic acids.

Claim 7 (withdrawn): The array of claim 1, wherein said ligands are oligo nucleotides.

Claim 8 (withdrawn): A method of making an array of biological reagents, comprising the steps of immobilizing a plurality of ligands on a solid support, each said ligand at a separate known site; contacting said ligands on said solid support with a plurality of said reagents to allow the binding between said ligands and said reagents; covalently cross-linking said ligands and said reagents.

Claim 9 (withdrawn): The method of claim 8, wherein said ligands are antibodies.

Claim 10 (withdrawn): The method of claim 8, wherein said ligands are recombinant proteins.

Claim 11 (withdrawn): A method of making an array of biological reagents, comprising the steps of immobilizing a plurality of ligands on a first solid support, each said ligand at a separate known site; contacting said ligands on said solid support with a plurality of said reagents to allow the binding between said ligands and said reagents; transferring and immobilizing said reagents bound to said ligands onto a second solid support.

Claim 12 (withdrawn): The method of claim 11, wherein said ligands are covalently immobilized on said first solid support.

Claim 13 (withdrawn): The method of claim 11, wherein said reagents are non-covalently

immobilized on said second solid support.

Claim 14 (withdrawn): The method of claim 11, wherein said ligands are antibodies.

Claim 15 (withdrawn): The method of claim 11, wherein said ligands are recombinant proteins.

Claim 16 (withdrawn): A method of making an array of biological reagents on a solid support, comprising the steps of preparing said reagents by using ligands that bind said reagents; immobilizing said reagents on said solid support.

Claim 17 (withdrawn): The method of claim 16, wherein said ligands are antibodies.

Claim 18 (withdrawn): The method of claim 16, wherein said ligands are recombinant proteins.

Claim 19 (withdrawn): The method of claim 16, wherein said ligands are immobilized on membranes made of materials selected from the group consisting of nitrocellulose, nylon, polyvinylidene difluoride, glass, or plastics, and their derivatives.

Claim 20 (currently amended): A method of ~~biological assays~~ detecting proteins, comprising the steps of: immobilizing a plurality of different ligands at separate known sites on a solid support, ~~each said ligand at a separate known site~~; incubating said ligands

on said solid support with a ~~plurality of reagents to allow the binding between said ligands and said reagents~~ sample having said proteins, wherein said ligands bind said proteins; covalently cross-linking said ligands and said proteins ~~reagents~~ with a cross-linker; and detecting said proteins.

Claim 21 (currently amended): The method of claim 20, wherein one side of said solid support is at least 1 millimeter long.

Claim 22 (original): The method of claim 20, wherein said ligands are antibodies.

Claim 23 (original): The method of claim 20, wherein the number of said ligands ranges from 1 to 1,000,000.

Claim 24 (original): The method of claim 20, wherein the number of said ligands ranges from 100 to 10,000.

Claim 25 (withdrawn): A kit useful for detecting proteins, the kit containing a solid support, on which a plurality of reagents are immobilized, each at a predetermined position, said reagents at each said position interacting with one or a plurality of ligands.

Claim 26 (withdrawn): The kit of claim 25, wherein said reagents are proteins.

Claim 27 (withdrawn): The kit of claim 25, wherein said ligands are antibodies.

Claim 28 (withdrawn): The kit of claim 25, wherein said ligands are recombinant proteins.

Claim 29 (withdrawn): The kit of claim 25, wherein said reagents are covalently cross-linked with said ligands.

Claim 30 (new): The method of claim 20, wherein said ligands are recombinant proteins.

Claim 31 (new): The method of claim 20, wherein said ligands are nucleic acids.

Claim 32 (new): The method of claim 20, wherein said ligands are oligo nucleotides.

Claim 33 (new): The method of claim 20, wherein said cross-linker is formaldehyde or glutaraldehyde.

Claim 34 (new): The method of claim 20, wherein said solid support is a membrane made of materials selected from the group consisting of nitrocellulose or polyvinylidene difluoride, and their derivatives.

Claim 35 (new): The method of claim 20, wherein said sample is cell lysate prepared from cell lines or tissues.